HotelList API

i/p – destiantionId, purpose, filtersIp

o/p – hotelList obj list, filters

class HotelListObj:

RecoHotel hotel

Integer matchRating

List<RecoOffer> offersList

getHotels():

validateDestination(destinationId)

hotels <- getHotelsFromDB(destinationId)

List<HotelListObj> hotelList <- new ArrayList<>()

if purpose = ‘Work’:

for hotel in hotels:

matchRating <- getMatchRatingForWork(hotel)

if matchRating != -1:

offer <- getOfferForHotel(hotel, purpose)

hotelListObj h <- new HotelListObj(hotel, matchRating, offer)

else if purpose = ‘HoneyMoon’:

for hotel in hotels:

matchRating <- getMatchRatingForHoenyMoon(hotel)

if matchRating != -1:

offer <- getOfferForHotel(hotel, purpose)

hotelListObj h <- new HotelListObj(hotel, matchRating, offer)

else if purpose = ‘Leisure’:

for hotel in hotels:

matchRating <- getMatchRatingForLeisure(hotel)

if matchRating != -1:

offer <- getOfferForHotel(hotel, purpose)

hotelListObj h <- new HotelListObj(hotel, matchRating, offer)

sortHotelListObjectsByMatchRating(hotelList)

return hotelList, filtersIp

getMatchRatingFor\_\_\_(hotel):

// return -1 if hotel doesnot qualify yes/no filter

// give purpose score more importance

// return result